

# Austin Resource Recovery Recycling Presentation

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Austin Resource Recovery



# About ARR

- Our Mission

We provide essential services that protect people and our planet.

- Our Values

Driving the global transformation of traditional waste management to sustainable resource recovery.



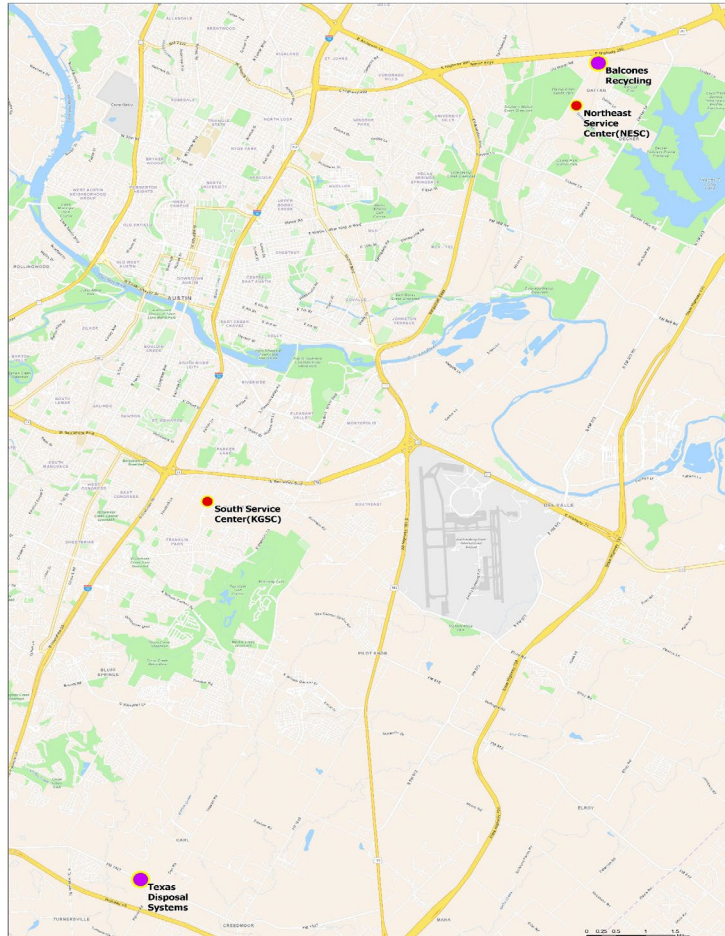
# History

- 1986: Curbside recycling introduced, source-separated, labor-intensive.
- Late 1980s - Early 1990s: Introduction of MRFs, shift to dual-stream recycling.
- 1992: PAYT pilot program introduced city-owned recycling bins.
- 2008: Single-stream recycling pilot program.

# Recycling Collection Partnership

- To increase our recycling collection efforts, Austin Resource Recovery partners with Balcones Recycling and Texas Disposal Systems.
- Balcones Recycling handles 60% of residential curbside recycling and TDS gets 40% of residential curbside recycling.

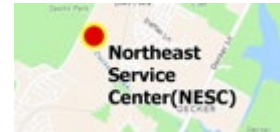
# Recycling Collection Partnership Map



Texas Disposal Systems & Balcones Recycling



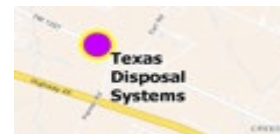
Balcones Recycling



Northeast Service Center (NESC)



South Service Center (KGSC)

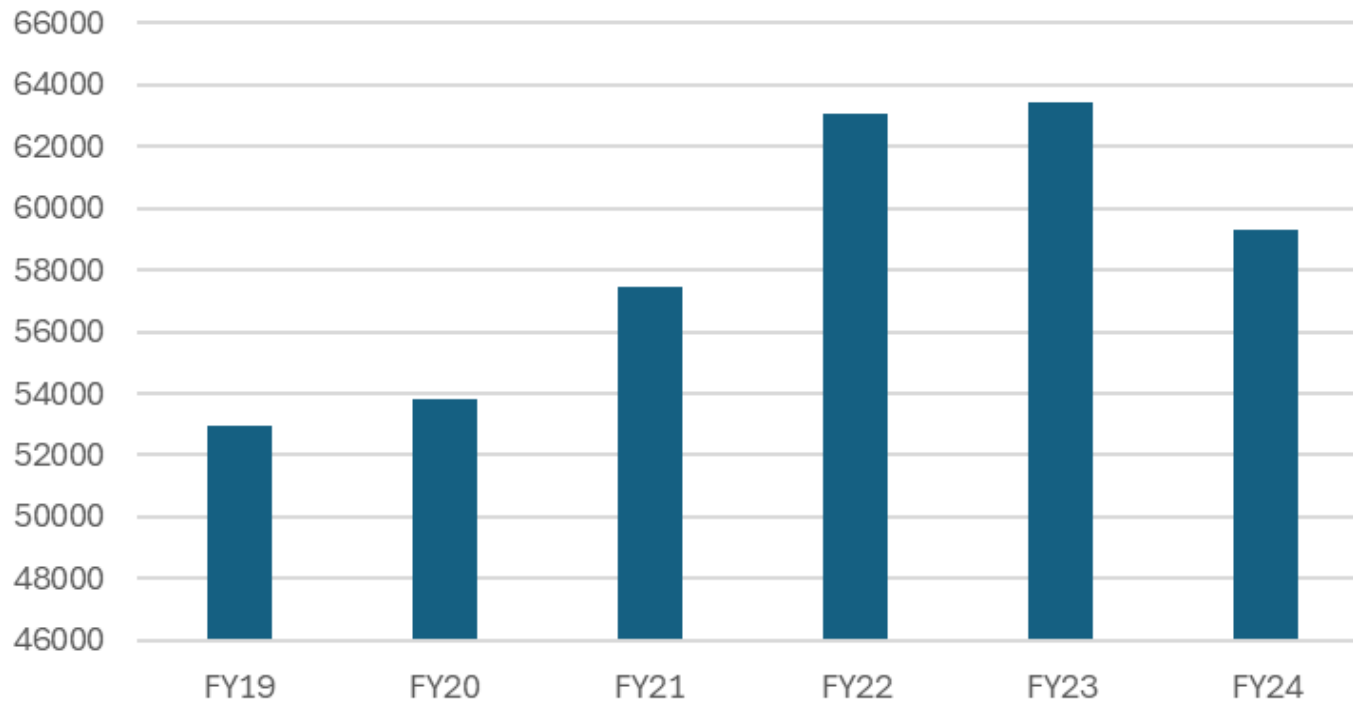


Texas Disposal Systems (TDS)



# Recycling Collection

Recycling Tonnage Collection



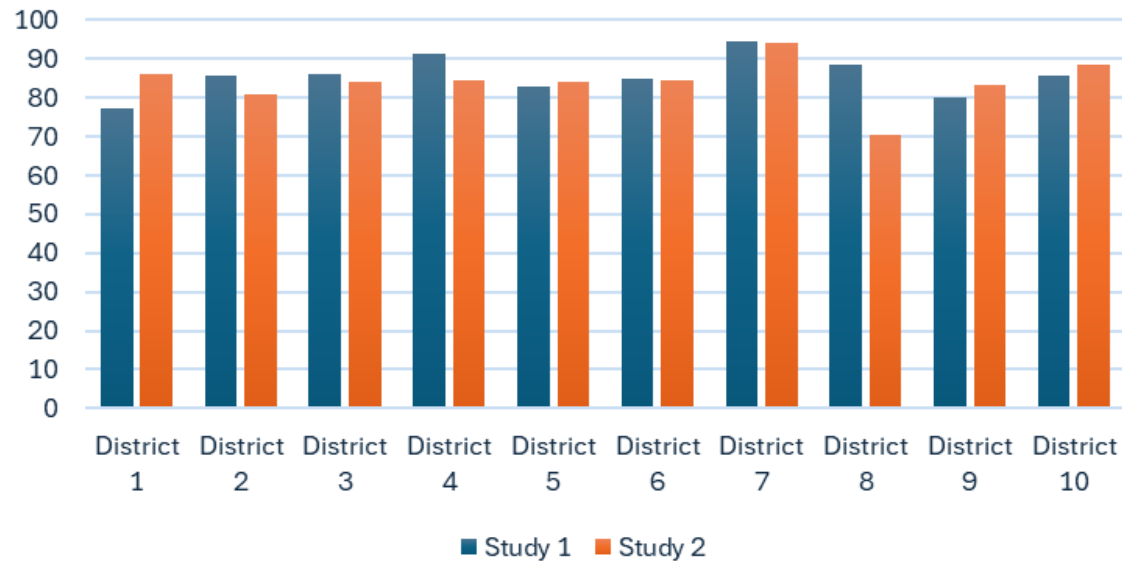
- Collected Recycling materials include old corrugated cardboard, old newspaper, mixed paper, used aluminum beverage cans, bi-metal and glass.
- Aseptic packaging and polycoated paper will be collected starting in Summer 2025.

# Participation/Setout Studies 2024

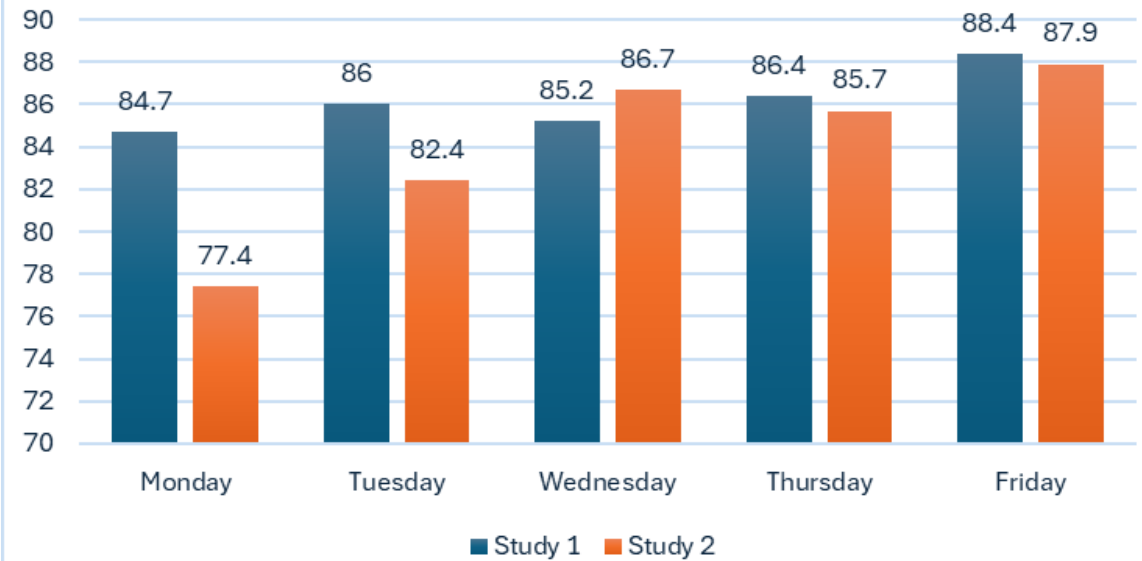
- Two recycling setout studies were conducted from 03/24/2024 – 04/05/2024 (Spring)  
10/21/2024 – 11/01/2024 (Fall)
- All City of Austin Council districts were audited twice.
- Planned Participation/ Setout Studies planned for Summer and Winter 2025.

# Setout Rate Breakdown

## Setout Rate by Council District



## Setout Rate by Day





# Summary of Findings October vs April 2024

- ❖ October '24 - Overall Recycling Setout Rate: 83.7%
- ❖ April '24 - Recycling Setout Rate: 85.9%
  
- ❖ October '24 - Lowest Setout Rate: District 8 at 70.3%
- ❖ April '24 - Lowest Setout Rate: District 1 at 77.2%
  
- ❖ October '24 - Highest Setout Rate: District 7 at 94.3%
- ❖ April '24 - Highest Setout Rate: District 7 at 94.5%

# Summary of Findings October vs April 2024

## High and Low Setout Days

- ❖ October '24 - Lowest Setout Rate: Mondays at 77.4%
- ❖ April '24 - Lowest Setout Rate: Mondays at 84.7%
- ❖ October '24 - Highest Setout Rate: Fridays at 87.9%
- ❖ April '24 - Highest Setout Rate: Fridays at 88.4%
- ❖ All City of Austin districts were audited twice

# **Decline in Recycling Tonnage Collection**

- Changes in Consumption Patterns
- Economic Conditions
- Contamination Issues
- Changes in the material

# Solar Panel Recycling

- Accepted at ARR's Recycle and Reuse Facility
- 10 tons of panels diverted in FY 24
- Accepted from residential homes and small commercial businesses



# Solar Panel Recycling

- Shipped to vendor in Fort Worth
- Further processing in Wisconsin
- Recycling process:
  - Aluminum panels recycled
  - Wafers and glass separated and shredded
  - Material sent to downstream recyclers



# Solar Panel Recycling Contract

- Vendors must hold a current e-Stewards Standard certification
- ARR in final year of electronics recycling contract
- Contractual costs at \$.50/lb for recycling of photovoltaic (PV) solar panels



# Questions

